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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TECH CENTER 1600

In re Patent Application of:

Joseph R. BYRUM

Appl. No.: 09/606,977

Filed: June 28, 2000

Title: **Nucleic Acid Molecules and Other Molecules Associated with Plants**

Art Unit: 1631

Examiner: Marianne P. ALLEN

Atty. Dkt. No.: 16517.144/38-21(15877)B

#191B
Plunkett
11/14/02

Amendment and Response to Office Action

Box Non-Fee Amendment

Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action mailed October 8, 2002 (Paper Number 7) ("Office Action"), Applicant submits the following amendments and remarks.

IN THE SPECIFICATION

Please delete the paragraph spanning page 1, line 17 (under the heading "Sequence Tagged Connector Nucleic Acid Molecules and the Bacterial Artificial Chromosomes (BACS) Containing These Sequences") to page 2, line 4 and replace it with the following paragraph:

Sequence tagged connectors, or STCs, are sequences of insert data generated from both ends (at the vector-insert point) of a BAC clone in a genomic library. These sequences, and BACs containing these STC sequences, can be used, for example, for marker development, genetic mapping or linkage analysis, marker assisted breeding, and physical genome mapping (Venter, *et al.*, *Nature*, 381:364-366 (1996), the entirety of which is herein incorporated by reference; Choi and Wing, www-genome.clemson.edu/